API#: 47-017-05213

# State of West Virginia Department of Environmental Protection Office of Oil and Gas

### Well Operator's Report of Well Work

Farm name: WHHLyons	Oper	ator Well No <u>.:</u>	No. 3	
			•	
LOCATION: Elevation: 1310	`	rangle: F	•	<del></del>
District: McClellan	Count	y: <u>Dod</u>	dridge	
Letitude: 5830 Feet South of 39°	Deg. 25'	Min	Sec.	
District: McClellan  Latitude: 5830 Feet South of 39°  Longitude 3180 Feet West of 80°	Deg. 32'	Min. 30	"Sec.	
TOTE THE STATE OF				
Company: Cobham Gas, Inc.	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
7 0 7 170	, doing			
Address: P. O. Box 179				
St. Marys, WV 26170	9 5/8"	336.35	336.35	To surface
Agent: Loren Bagley	9 3/6	1 330.33		
Inspector: Mike Underwood	7"	1482.09	1482.09	To surface
Date Permit Issued: 05/08/06		1		
Date Well Work Commenced:  Date Well Work Completed: 7 10 06				
	4.5"	1	3229.30	45 sacks
Verbal Plugging:	1			
Date Permission granted on:  Rotary Cable Rig				
Total Depth (feet): 3410				
Fresh Water Depth (ft.): 280'				
Salt Water Depth (ft.): 2502'				
Is coal being mined in area (N/Y)?				
Coal Depths (ft.):	ļ	!	1	
OPEN FLOW DATA				
Producing formation 4th Sand	Pay 70	one denth (ft)	3114-3117	RECEIVED
Gas: Initial open flow show MCF/d Oi	I. Initial open	flow	Bbl/d	Office of Oil and Gas
Gas: Initial open flow snow MCF/d Of	r. miliai open Final open fle	TIOW	Bbl/d	4 DD 0 1 004F
Final open flow 135 MCF/d	Filial Open III			APR <b>01 2015</b>
Time of open flow between initial and	Tiligi tests	ofter	Hours	
Static rock Pressurepsig (surfa	ice pressure)	arter	LIOUID	WV Department of
Second producing formation Gordon Se	and Day 7	one denth (ft`	3041-3093	Environmental Protection
Second producing formation Gordon St	l. Initial open	flow	Bbl/d	
Gas: Initial open flowMCF/d Oi	l: Initial open	110W	Bbl/d	
Final open flow w/above MCF/d	rman open m Lengt toste	W	ours	•
Time of open flow between initial and				
Static rock Pressure 35 psig (surface	ce pressure) a	ner <u>20</u> r	loma	
NOTE: ON BACK OF THIS FORM PUT THE	FOI I OWN	G-1) DETAI	LS OF PERFOR	ATED
	ING PHYSIC	.AI. LAMIUI	. LIC. 21. 11.	***
LOG WHICH IS A SYSTEMATIC DETAILED	D GEOLOGIC	CAL RECORD	OF ALL FORM	IATIONS,
INCLUDING COAL ENCOUNTERED BY TH	E WELLBORI	3. ·		
INCLUDING COAL ENCOUNTERED BY THE	1	2		
Signed: Down!	1297			
By: V. P.				

### Stimulation:

Fourth Sand Delta Foam 3114-3117 20,000 sand

Gordon Sand Delta Foam 3041-3093 25,000 sand

**Well Name** 

Lyons #3

Elev.

1310

Fm Name	FM TOP	FM BOT	NOTES	
1st Salt	1507	1560		
2nd Salt	1812	1932		
3rd Salt	1996	2056		
Maxon	2106	2124		
Big Lime	2262	2340		
Big Injun	2346	2408		
Weir	2554	2646		
Berea	2754	2755		
Fifty Foot				RECEIVED Office of Oil and Gas
Thirty Foot	2866	2896		APR <b>01</b> 2015
Gordon Stray	2969	3002		
Gordon	3034	3096	show gas	WV Department of Environmental Protection
Fourth	3108	3123	show gas	
Fifth	3213	3218		
Bayard	3398	3403		

WR-35 Rev (5-01)

## State of West Virginia Department of Environmental Protection Office of Oil and Gas

DATE: March 18, 2009 API#: 47-103-02274

### Well Operator's Report of Well Work

Farm name: DEWHURST	Operator Well No.:64				
LOCATION: Elevation: 958	Quac	irangle: <u>Cl</u>	ENTER POINT		
District: GDANT	County	WETZEL			
District: <u>GRANT</u> Latitude: 10500 Feet South of 39 December 10500					
Longitude 11,200 Feet South of 32 Department of 1,200 Feet West of 80 Department of 1,200 Feet West of 1,200 Department of 1,200 Feet South of 1,2	37 Mir	ı. Sec.			
Donginuo_11,2001001 West of _00_50	·				
Company: TRANS ENERGY INC.					
	Casing &	Used in	Left in well	Cement fill	
	Tubing	drilling		up Cu. Ft.	
Address: P.O. BOX 393					
ST. MARYS, WV 26170					
Agent: Loren Bagley	9 5/8	336	336	To Surface	
Inspector: Mike Underwood					
Date Permit Issued:	7	2310	2310	To Surface	
Date Well Work Commenced: 10/30/07					
Date Well Work Completed: 12/07/07					
Verbal Plugging:	4.5		3246	50 SKS	
Date Permission granted on:					
Rotary Cable Rig					
Total Depth (feet): 3471			·		
Fresh Water Depth (ft.): 65					
Fresh Water Depth (10). VS					
Salt Water Depth (ft.): NA					
San Water Deptil (10), (13)			REC	EIVED	
To coal being mined in area (N/V)? N			Office of	oil and Gas	
Is coal being mined in area (N/Y)? N			<u> </u>	0.0045	
Coal Depths			APR	6 2015	
(ft.):960,1524,1559	!	•	•	•	
OPEN FLOW DATA			wn/ De	partment of	
OLEN LEOW DATA			Environme	ental Protection	
Producing formation Bayard Pa	v zone depth	(ft) 3127-312	9		
Final open flow w/aboveMCF/d Fin	al open flow	Bb	1/d		
Final open now wandovenceria	an open no.		-		
Second producing formationGordo	n Cand	Pov zone deni	њ <del>(А</del> ) 2810-283	12	
Second producing formation	and	nay 2010 dop	II (16) 2010 202	-	
Gas: Initial open show MCF/d Oil: Initial	Ober now_su	3 BPi/4			
Final open flow_150_MCF/d Fin	nai open now				
Time of open flow between initial and	mai tests	Hou		ं <b>ं 38</b>	
Static rock Pressure_700_psig (surface)			5	The Review Calcade	
NOTE: ON BACK OF THIS FORM PUT THE I	OLLOWING:	1). DETAILS	OF PERFORAT	TSP 0.5 2013	
NITERVALS ERACTURING OR STIMILATIN	ig. Physica	L CHANGE, I	ETC. 2). THE W	ELL	
LOG WHICH IS A SYSTEMATIC DETAILED	GEOLOGICA	L RECORD O	F ALL FORMA	TIONS,	
INCLUDING COAL ENCOUNTERED BY THE	WELLBORE.			THE POST REPORT OF	
0 - 0	11		m 13/ 15 -	The second of the second of the second	
Signed: Man E S	7/				
BYTVP					
D-4					

Stimulation: Bayard Sand

3128-3130

Delta Foam

25,000 sand

Gordon Sand Delta Foam

2316-2832

35,00 sand

DEWHURST #64				
FM Top	FM Bot			
2610	2617			
2810	2840 show gas			
2880	2885 show gas			
3054	3058			
3130	3140 show gas			
	FM Top 2610 2810 2880 3054			

SEP 0 5 2013

1/12

06/04/2008 API# 47 103 02359

## State of West Virginia Division of Environmental Protection Section of Oil and Gas

### Well Operator's Report of Well Work

			- F - 2 - 1 - 1 - 1	-					
arm name:	DALLISON	LUMBER INC	•	Oper	ator Well	No.: L.S.	HOYT 273		
OCATION:	Elevation:	1427'		Quad	rangle:	PINE GRO	VE 7.5'	$(O)_{i}$	<i>b</i> -
·	District:	GRANT		Coun	ty: WE	TZEL			
	Latitude:		et south of		Deg 37				r.
	Longitude:	•	et west of	80	Deg 37	Min 30	Sec.		
company:		OURCES, INC.			Casing/	Used in	Left		ement
	P.O. BOX 5	519 /V 26105-5519			tubing	Duillin -	: 337a11		ll Up
	•			- 1	Size	Drilling	in Well	<u>C</u>	u. Ft.
rgent:	PHILIP S. O		,						
ispector:	DAVID SCI				•			1	
ermit Issued: Vell work Con	· hoomood.	06/04/08 09/19/08	<del></del> .					-	
Vell work Con		10/15/08	<del></del>	ŀ				İ	
rerbal pluggin		10/15/08	<del></del>						
ermission gran				ŀ				<del> </del>	
lotary X	Cable	Rig	<del></del>		9 5/8"	1190'	1190'	500	sks
otal Depth (fe		06' (MD)		1			-		
resh water der	otns (II)				7"	3504.3'	3504.3'	125	sks
alt water dept	hs (ft)	<del></del>			,	3304.3	3304.3	123	SKS
				ľ			- <del></del> -		
s coal being m		· · · · · · · · · · · · · · · · · · ·	7					1	
Coal Depths (ft	:):	NA * Waterflood	Duo dinasa	L				<u> </u>	
PEN FLOW I	DATA	waternood well was dril		11, in	Gardon				
YEN TLOW I	DAIA	in a direction			Gordon		MD- 3504-509	16	
Produc	ing formation	m a unecqui	Gordon			Pay zone de			114 ( TVI
Gas:	Initial open f	low		CF/d	Oil: Initia	al open flow	,	*	Bbl/d
	Final open fl	ow	* M	CF/d	Fina	l open flow		*	Bbl/d
<b>~</b> •		en flow between				,	Hours		_
Static 1	rock pressure		psi	g (su	rface pres	ssure)	after		Hours
Second	I producing for	rmation				Pay zone de	epth (ft)		
Gas:	Initial open f				Oil: Initi	al open flow			Bbl/d
	Final open fl			CF/d		l open flow			_Bbl/d
Grant -		en flow between					Hours		77
Static 1	rock pressure	_	psi	g (su	rface pres	ssure)	after		_Hours
		1, PUT THE FOLL						TURING	
	•	CHANGE, ETC. 2							
EOLOGICAL R	ECORD OF ALL	FORMATIONS, I	NCLUDING C	OALE	INCOUNTE	ERED BY THE	E WELLBORE.		
	RECEIVED		<del>DACT DD</del>	COTI	OF N				
	Office of Oil and		r: EAST RE By:	200¥	CES, IP	C. 7/2	dan		
	APR <b>07</b> 20	115	Date:		von	2 /2/A	6		
	AFR U 1 20	וו	<del></del>	-		3/010	<del></del>		
	WV Departme	nt of				•			
8	Environmental Pr	otection							

### Treatment:

Not treated

	Depth	us = TVD		
Well Log:	0	258	Sand and Shale	
<del></del>	258	276	Sand	
	276	314	Shale	
	314	328	Sand	
	328	708	Shale	
	708	718	Sand	
	718	814	Shale	
	814	842	Sand	
	842	865	Shale	
	865	928	Sand	
	928	932	Shale	
	932	952	Sand	
	952	956	Shale	
	956	966	Sand	
	966	980	Shale	
	980	1016	Sand	
	1016	1024	Shale	
	1024	1036	Sand	
	1036	1520	Shale	
	1520	1562	Sand	
	1562	1684	Shale	
	1684	1747	Sand	
	1747	1787	Shale	
	1787	1800	Sand	
	1800	1901	Shale	
	1901	1929	Sand	
	1929	1974	Shale	
	1974	2003	Sand	
	2003	2050	Shale	
	2050 2062	2062	Sand	
		2145	Shale	
	2145	2156	Sand	
	2156 2171	2171	Shale	
		2184	Sand Shale	RECEIVED
	2184 2210	2210 2276		Office of Oil and Gas
	2276	2496	Big Lime	
	2496	3062	Big Injun Shale	APR <b>072015</b>
	3062	3085	Gordon Stray	
	3085	3094	Shale	WV Department of
	3094	3114	Gordon	Environmental Protection
	3114	3300	Shale	
	3300	3500	TD	
	_			

07/18/2011 47-103-02678

#### State of West Virginia **Division of Environmental Protection** Section of Oil and Gas Well Operator's Report of Well Work

Farm name:

YOHO, SEAN & ANDREW

Operator Well No.: ZUE LANTZ 288

LOCATION:

Elevation:

884'

Quadrangle:

PINE GROVE 7.5'

District:

**GRANT** 

County: WETZEL

Latitude:

2,680 Feet south of

39 Deg 35 Min

Sec.

Longitude:

9,800 Feet west of

80 Deg 37 Min 30 Sec.

Company Address:	HG Energy PO Box 5519 Vienna, WV 26105		Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
Inspector:	Derek I	-laught		_		
Date Permit Issue	ed: 07	7/18/2011				
Date Well Work	Commenced:	01/25/2012				
Date Well Work	Completed:	03/02/2012				
Verbal Plugging:						
Date Permission	Granted On:					
Rotary X Ca	ble F	lig	7"	869'	869'	215 sks
Total vertical Dep	oth (ft):	2980'				
Total Measured I	Depth (ft):	3222'				
Fresh Water Dept	th (ft):	none	4 1/2"	3113.7'	3113.7'	200 sks
Salt Water Depth	(ft):	none				
Is Coal being min	ed in ares (Y/N)?	No				
Coal Depths (ft):	х 6	25'-632'				
Void(s) encounter	red (Y/N) depth(s) NONE	:		Offi	RECEIVED ce of Oil and	
					PR <b>07</b> 20	5

OPEN FLOW DATA * Waterflood P.	roducer				
This well drilled direction  Producing formation	onally 3.4 °NI	a distance of 872'	WV Departr	ment of	
Producing formation	Gordon	Pay zo	ne depth (ft)	Protection	952'-2971'
Gas: Initial open flow	* MCF/	d Oil: Initial open	flow	*	Bbl/d
Final open flow	* MCF/		flow	*	Bbl/d
Time of open flow between	initial and f	nal tests	$*$ $\overline{\mathrm{H}}$	Iours	-
Static rock pressure	* psig	surface pressure)	after	*	Hours
Second producing formation		Pay zo	ne depth (ft)		
Gas: Initial open flow	MCF/		flow		Bbl/d
Final open flow	MCF/	d Final open :			Bbl/d
Time of open flow between	initial and f	nal tests	Ħ	lours	-
Static rock pressure	psig (	surface pressure)	after		Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

**Treatment:** Treated perfs 2952'-2971' w/ 250 gals 15% HCL, 307 bbls cross linked gel, and 15,000# 20/40 sand.

#### Well Log: All depths are measured relative to KB (8' AGL).

Y/N

Y/N

Shale w/ sand streaks	0	-	625	
Coal	625	-	632	
Shale w/ sand streaks	632	_	1124	
Sand	1124	-	1150	
shale	1150	-	1214	
sand	1214	-	1246	
shale	1246	-	1428	
sand	1428	-	1450	•
shale	1450	-	1498	
sand	1498	-	1563	
shale	1563	-	1624	
sand	1624	-	1694	
shale	1694	-	1833	
sand	1833	-	1850	
shale	1850	-	1865	
sand	1865	-	1875	
Big Lime	1875	-	1945	
Big Injun	1945	-	2255	
shale	2255	-	2916	
Gordon Stray	2916	-	2938	
shale	2938	-	2948	RECEIVED
Gordon	2948	-	2970	Office of Oil and Gas
shale	2970	-	3093	, •
sand	3093	-	3097	APR <b>07</b> 2015
shale	3097	-	3222	
TD	3222			WV Department of Environmental Protection
T.DLogger	3185	KB		
T.DDriller	3222	KB		

WV Department of

07/14/2011 47-103-02679

#### State of West Virginia **Division of Environmental Protection** Section of Oil and Gas Well Operator's Report of Well Work

Farm name:

DALLISON LUMBER INC.

Operator Well No.: J.U. JOLLIFFE 289

LOCATION:

Elevation:

1,361'

Quadrangle: PINE GROVE 7.5'

District: Latitude:

Longitude:

**GRANT** 

County: WETZEL

550 Feet south of

39 Deg 35 Min

7,670 Feet west of

0 Sec. 80 Deg 37 Min 30 Sec.

Compony	HG Energ	y				
Company Address:	PO Box 5:		Casing &	Used in	Left in	Cement Fill Up
	Vienna, W		Tubing	Drilling	Well	Cu. Ft.
Inspector:	Derek	Haught				
Date Permit Is	sued:	07/14/2011				
Date Well Wo	rk Commenced:	01/02/2012				
Date Well Wo	rk Completed:	01/20/2012				
Verbal Pluggii	ng:		1			
Date Permission	on Granted On:					
Rotary X	Cable	Rig	7"	1356'	1356'	385 sks
Total vertical 1	Depth (ft):	3570'				
Total Measure	d Depth (ft):	3900'				
Fresh Water D	epth (ft):	none	4 1/2"	3723.6'	3723.6'	200 sks
Salt Water Dep	oth (ft):	none				
Is Coal being r	nined in ares (Y/N)	? No				
Coal Depths (f	t): x 1	076'-1083'		F	ECEIVED	•
Void(s) encou	ntered (Y/N) depth(	s):			of Oil and G	as
	NONE					
				AH	R 07 2015	

ENFLOW DATA * Wateril				Environmental Prof			าท	
1	This well drilled direction	onally 2	38 ° SW	a distance of 1	054'.		3506'-3514'	
Producing form		Gordo		Pay	zone depth (	(ft)	3516'-3527'	
Gas: Initial		*	MCF/d	Oil: Initial op	en flow	*	Bbl/d	_
	open flow	*	MCF/d	Final ope		*	Bbl/d	
	of open flow between	initial	and fina	ıl tests	*	Hours	_	
Static rock pre	ssure	*	psig (su	rface pressure	) after	*	Hours	
Second produc	ing formation			Pav	zone depth (	<del>'f</del> t)		
Gas: Initial	open flow		MCF/d	Oil: Initial op	en flow		Bbl/d	-
	open flow		MCF/d	Final ope			. Bbl/d	
	of open flow between	initial	and fina	l tests		Hours		
Static rock pres	ssure		psig (su	rface pressure	) after	-	Hours	
			_	·				

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the

information is true, accurate, and complete.

Were core samples taken? No Were cuttings caught during drilling? No Were Electrical. or Geophysical logs recorded on this well? Mechanical, Y/N Y/N Y/N NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH. Treatment: Treated perfs 3506'-3514' and 3516'-3527' w/ 300 gals 15% HCL, 264 bbls cross linked gel, and 8,500# 20/40 sand. Well Log: All depths are measured relative to KB (8' AGL). Shale w/ sand streaks 0 1076 Coal 1076 1083 Shale w/ sand streaks 1083 1638 sand 1638 1647 shale 1647 1720 sand 1720 1763 shale 1794 1763 sand 1794 1812 shale 1812 1881 sand 1881 1891 shale 1924 1891 sand 1924 1981 shale 1981 2018 sand 2018 2064 shale 2064 2165 sand 2176 2165 shale 2176 2256 sand 2256 2266 shale 2266 2332 sand 2332 2348 RECEIVED shale 2348 2366 sand 2366 2377 Big Lime 2377 2514 APR 07 2015 Big Injun 2794 2514 shale 2794 3470 WV Department of Gordon Stray 3470 3495

3495

3502

3530

3542

3546

3900

3855

KB

3502

3530

3542

3546

3900

shale

shale

sand

shale

T.D. -Logger

TD

Gordon

Office of Oil and Gas

**Environmental Protection**